

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

MICHEL R. GAGNE ET. AL.

CASE NO.: PI1245USDIV

APPLICATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

FILED: HEREWITH

EXAMINER: UNKNOWN

FOR: PHOSPHORUS-CONTAINING COMPOSITIONS
AND THEIR USE IN HYDROCYANATION,
ISOMERIZATION AND HYDROFORMYLATION
REACTIONS

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
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Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information that may be helpful in the examination of the above-identified patent application. All of the information is listed on attached Forms PTO/SB/08A and PTO/SB/08B.

Benefit of the earlier filing date of U.S. Patent Application No. 09/994,135, filed November 26, 2001, allowed on August 11, 2003 is claimed under 35 U.S.C. 120 for the above-referenced application. Information cited in the priority application is not supplied with this Information Disclosure Statement. Should the examiner require copies of any reference, he is urged to contact Applicants' attorney at the telephone number listed below.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,



GERALD E. DEITCH
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Dated: September 10, 2003
Enclosures

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of

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Complete if Known

Application Number	09/994,135
Filing Date	11/26/2001
First Named Inventor	Gagne et al.
Group Art Unit	1712
Examiner Name	UNKNOWN
Attorney Docket Number	PI1245USNA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
		US - 3,496,215		02/17/1970	Drinkard et al.	
		US - 3,496,217		02/17/1970	Drinkard et al.	
		US - 3,631,191		12/28/1971	Kane et al.	
		US - 3,655,723		04/11/1972	Drinkard et al.	
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Examiner Initials *	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		CountryCode ³	Number ⁴	Kind Code ⁵ (if known)				
		WO93	03839		03/04/1993	UNION CARBIDE		<input type="checkbox"/>
		WO95	30680		11/16/1995	Kamer et al.		
		WO96	22968		08/01/1996	E. I. du Pont de Nemours and Company		
		WO98	12202		03/26/1998	Polywka et al.		
		WO98	43935		10/08/1998	MITSUBISHI CHEM. CO. (SEE US6265620)		<input type="checkbox"/>
		WO99	06146		02/11/1999	E. I. DU PONT DE NEMOURS AND COMPANY		<input type="checkbox"/>
		WO99	13983		03/25/1999	BASF(SEE US2001/0014647A1)		<input type="checkbox"/>

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Application Number	09/994,135
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		Number - Kind Code ² (if known)				
		US -	5,723,641	03/03/1998	Tam et al.	
		US -	5,817,850	10/06/1998	Pastor et al.	
		US -	5,821,378	10/13/1998	Foo et al.	
		US -	5,910,600	06/08/1999	Urata et al.	
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		US -	6,031,120	02/29/2000	Tam	
		US -	6,069,267	05/30/2000	Tam	
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		US -	6,265,620	07/24/2001	Urata et al. (See WO98/43935)	
		US -	2001/0014647	08/16/2001	BASF (SEE WO9913983)	
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		CountryCode ³	Number ⁴	Kind Code ⁵ (if known)				
		WO99	46044		09/16/1999	BASF (SEE CA129728)		<input type="checkbox"/>
		WO99	62855		12/09/1999	E. I. du Pont de Nemours and Company		<input type="checkbox"/>
		WO99	64155		12/16/1999	BASF (SEE CA1304334)		<input type="checkbox"/>
		EP	0864577		09/16/1998	KYOKO ET AL.		<input type="checkbox"/>
		EP	0877029		11/11/1998	KYOKO ET AL.		<input type="checkbox"/>
		CN	1292728		03/12/1991	BASF (SEE WO9946044)		<input type="checkbox"/>
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BAYSTON, DANIEL J. et al., Preparation and Use of a Polymer Supported BINAP Hydrogenation Catalyst, J. Org. Chem. 1998, Volume 63, pp. 3137-3140	<input type="checkbox"/>
		NOZAKI, KYOKO ET AL., Asymmetric Hydroformylation of Olefins in a Highly Cross-Linked Polymer Matrix, J. Am. Chem. Soc., 1998, Volume 120, pp. 4051-4052	<input type="checkbox"/>
		BRUNKAN, NICOLE M. ET AL., Effect of Chiral Cavities Associated with Molecularly Imprinted Platinum Centers on the Selectivity of Ligand-Exchange Reactions at Platinum, J. Am. Chem. Soc., 2000, Volume 122, pp. 6217-6225	<input type="checkbox"/>
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	2
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C mplete if Known

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Examiner Name	UNKNOWN
Attorney Docket Number	PI1245USNA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number		09/994,135			
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Attorney Docket Number		PI1245USNA			
Sheet	2	of	2		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		Comprehensive Organometallic Chemistry, ED: G. Wilkinson, F. g. A. Stone, and E. W. Abel, New York: Pergamon Press 1982, Chapter 55	<input type="checkbox"/>	
		Richard Heck, Organic Reactions, 1982, Chapter 2, pp. 348	<input type="checkbox"/>	
		Parrinello et al., J. Org. Chem. 1986, Platinum-Catalyzed Asymmetric Hydroformylation with a Polymer-Attached Optically Active Phosphine Ligand, Volume 51, pp. 4189-4195	<input type="checkbox"/>	
		Gloede et al., Z. Anorg. Allg. Chem., 1986, Zur Halogenierung der o-Methoxyphenylester von P ¹¹¹ -Sauren, Volume 535, 221-228	<input type="checkbox"/>	
		Machon et al, Synthesis 1988, Synthesis of Fluor[3,4,-d]pyrimidine Derivatives via Reaction of 4-Methylpyrimidine-5-carboxylic Acids with Thionyl Chloride, Volume, 2, pp. 142-144	<input type="checkbox"/>	
		Baker et al., J. Chem. Soc. Chem. Commun. 1991, Chiral Aryl Diphosphites: a New Class of Ligands for Hydrocyanation Catalysis, pp. 1292-1293	<input type="checkbox"/>	
		Baker et al. J. Chem. Soc. Chem. Commun. 1991, Chelating Diphosphite Complexes of Nickel(0) and Platinum (0): Their Remarkable Stability and Hydrocyanation Activity, pp. 803-805	<input type="checkbox"/>	
		Perich et al., Aust. J. Chem., 1991, Synthesis of Casein-Related Peptides and Phosphopeptides. VII* The Efficient Synthesis of Ser(P)-Containing Peptides by the Use of Boc-Ser(PO ₃ R ₂)-OH Derivatives, Volume 44, pp. 233-252.	<input type="checkbox"/>	
		Jongsma et al. Polymer, 1992, A New Type of Highly Active Polymer-Bound Rhodium Hydroformylation Catalyst, Volume 33, No. 1, pp. 161-165	<input type="checkbox"/>	
		Helinski et al., Tet. Lett., 1993, New Phosphitylating Reagent in the Nucleotide Chemistry Containing Two 4-Nitrophenoxy Leaving Groups. Remarkably Fast and Clean Phosphitylations Activated by DBU Leading to Thio- and Seleno-oligonucleotides, Volume 34, No. 40, pp. 6451-6454	<input type="checkbox"/>	
		Piet et al, Macromol. Symp, 1994, Polymer-Bound Bulky-Phosphite Modified Rhodium Hydroformylation Catalysts, Volume 80, 241-256	<input type="checkbox"/>	
		Cabri et al., Acc. Chem. Res., 1995, Recent Developments and New Perspectives in the Heck Reaction, Volume 28, pp. 2-7	<input type="checkbox"/>	
		Schlick et al., Acta Polymer, 1996, Catalysis on polymer supports, volume 47, pp. 1-15	<input type="checkbox"/>	
		Moroz et al., J. Mol. Catal. A, 1996, Heterogenized Catalysts for Olefin Hydroformylation Containing Cobalt and Palladium-Cobalt Complexes Anchored on Phosphinated SiO ₂ : a ¹³ C Solid-State NMR Study, Chemical 112, pp. 217-233	<input type="checkbox"/>	
		Behringer et al., J. Chem. Soc., Chem. Commun., 1996, Immobilization and Chelation of Metal Complexes with Bifunctional Phosphine Ligands: A Solid-State NMR Study, pp. 653-654	<input type="checkbox"/>	

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Sheet	2	of	2
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Notice of References Cited	Application/Control No. 09/994,135	Applicant(s)/Patent Under Reexamination GAGNE ET AL.	
	Examiner Donald R Wilson	Art Unit 1713	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,127,567	10-2000	Garner et al.	558/338
	B	US-6,120,700	09-2000	Foo et al.	252/182.3
	C	US-5,981,772	11-1999	Foo et al.	549/349
	D	US-2002/0128501	09-2002	Zhang, Xumu	556/9
	E	US-			
	F	US-			
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	N					
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NON-PATENT DOCUMENTS

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